

SPATIAL DIVISION MULTIPLE ACCESS FOR WIRELESS NETWORKS

Abstract of the Disclosure

- 5 Multiple Input Multiple Output (MIMO) technology in conjunction with the IEEE 802.11 standard enables simultaneous communication of data packets to or from multiple users in the same frequency. Spatial divisional multiple access (SDMA) is thus provided. In this way, system capacity can be increased to an extent that depends on available antenna resources and the multipath characteristics of the communication channel.
- 10 Doubling or quadrupling of network throughput can be achieved.